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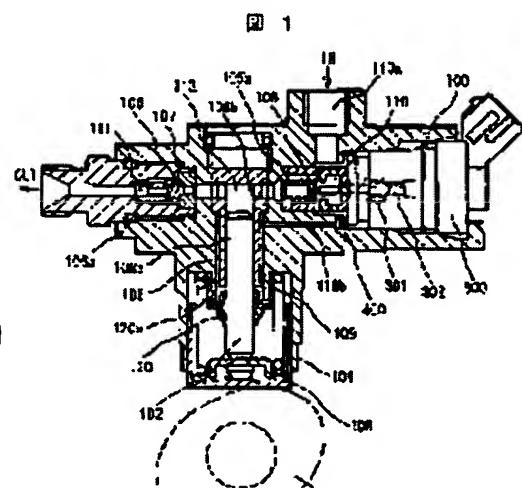
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(54) FUEL PUMP AND CYLINDER INJECTION ENGINE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a fuel pump having a sliding mechanism part inside a fuel chamber with excellent abrasion resistance under a hard environment, and to provide a cylinder injection engine using the same.

SOLUTION: In this fuel pump for pressurizing fuel and feeding it to a fuel injection valve of an automobile engine, at least a one-side sliding surface of each sliding member such as a cam plate, a slipper and a plunger slid in lubricating oil and a plunger and a cylinder slid in



the fuel brought in contact with each other and slid through the fuel is formed with a hardening layer formed of one of a nitride layer, a carburizing and quenching layer and carbonitriding layer, or formed with a hard metal compound layer having high corrosion resistance in relation to the hardening layer.

LEGAL STATUS

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